

MPRAPRCRAVRSLLRSHYREVLPLATFVRRLGPQGWRLVQRGDP
AAFRALVAQCLVCPWDARPPPAAPSFQRVSCLELVARVLQRL
CERGAKNVLAFGFALLDGARGGPPEAFTTSVRSYLPNTVTDALR
GSGAWGLLLRRVGGDDVLVHLLARCALFVLVAPSCAYQVCGPPLY
QLGAATQARPPPHASGFRRRLGCERAWNHSVREAGVPLGLPAPG
ARRRGGSASRSLPLPKRPRRGAAPEPERTVPVGGQSWAHPGRTRG
PSDRGFCVVSAPARPAEEATSLEGALSGTRHSHPSVGRQHHAGPP
STSRPPRPWDTPCPPVYAETKHFVLYSSGDKEQLRPSFLLSSLRP
SLTGARRLVETIFLGSRPWMPGTPRRLPRLPQRYWQMRPLFLEL
LGNHAQCPYGVLLKTHCPLRAAVTPAAGVCAREKPGGSVAAPPE
EDTDPRLVLQLLRQHSSPWQVYGFVRACLRLVPPGLWGSRHNE
RRFLRNTKKFISLGKHAKLSLQELTWKMSVRDCAWLRRSPGVGC
VPAAEHRRLREEILAKFLHWLMSVYVVELLRSFFVYTETTFQKNR
LFFYRKSVWSKLQSIGIRQHLKRVQLRELSEAEVRQHREARPAL
LTSRLRFIPKPDGLRPVNMMDYVVGARTFRREKRAERLTSRVKA
LFSVLNYERARRPGLLGASVLGLDDIHRAWRTFVLVRVAQDPPP
ELYFVKVDVTGAYDTIPQDRLTEVIASTIKPQNTYCVRRYAVVQ
KAAHGHVRKAFKSHVSTLTDLQPYMRQFVAHLQETSPLRDAVVI
EQSSSLNEASSGLFDVFLRFMCHHAVRIRGKSYVQCQGIPOGSI
LSTLLCSLCYGD MENKLFAGIRRDGLLLRLVDDFLLVTPHLTHA
KTFLRTLVRGVPEYGCVVNLRKTVVNFPVEDEALGGTAFVQMPA
HGLFPWCGLLLDTRTLEVQSDYSSYARTSIRASLTFNRGFKAGR
NMRRKLFGLVRLKCHSLFLDLQVNSLQTVCTNIYKILLQAYRF
HACVLQLPFHQQVWKNPTFFLRVISDTASLCYSILKAKNAGMSL
GAKGAAGPLPSEAVQWLCHQAFLLKLTRHRVTYVPLLGSRLTAQ
TOLSRKLP GTTLLTALEAAANPALPSDFKTILD

FIG. 1

1	gcagcgctgc	gtcctgctgc	gcacgtggga	agccctggcc	ccggccaccc	ccgcatgccc
61	gcgcgctccc	cgctgcccag	ccgtgcccgc	cctgctgcgc	agccactacc	gcgaggtgct
121	gccgctggcc	acgttcgctg	ggcgccctgg	ggcgccctgg	tgccgctggg	tgccgctggg
181	ggaccccgcc	gctttccgcg	cgctgggtgg	ccagtgcctg	gtgtgctgct	cctgggacgc
241	acggccgccc	cccgccgccc	cctccttccg	ccaggtgtcc	tgcttgaagg	agctggtggc
301	ccgagtgctg	cagaggtctg	gcgagcgccg	cggaagaac	gtgctggcct	tcggcttcgc
361	gctgctggac	ggggcccgcc	ggggccccc	cgaggccttc	accaccagcg	tgccgagcta
421	cctgcccac	acgggtgacc	acgcactcgc	ggggagcgcc	gctgggggcc	tgctgctgct
481	ccgctgggg	gacgacgtgc	tggttcacct	gctggcacgc	tgccgctctc	tgctgctgct
541	ggctcccagc	tgccgctacc	aggtgtgctg	ggcgccgctg	taccagctcg	ggctgcccac
601	tcaggcccg	ccccgccac	acgctagtgg	accccgagg	cgctctgggt	gcgaacgggc
661	ctggaacat	agcgctcagg	aggccggggt	ccccctgggc	ctgccagccc	cggtgctgag
721	gagggcgccg	ggcagtgcca	ggcgaggtct	ggcggtggcc	aagaggccca	ggcggtggcg
781	tgccctcgag	ccggagcgga	cgcccgcttg	gcagggtgct	tgggccaccc	cgggcaggac
841	gcgtggagcc	agtgaccgtg	gtttctgtgt	ggtgtcacct	gccagacccc	ccgaagaagc
901	cacctctttg	gaggggtcgc	ttctctggac	gcgcactcct	caccatcccg	tgggcccgca
961	gcaccacgcg	ggccccccat	ccacatcgcg	gdcaccacgt	ccctgggaca	cgcttcttcc
1021	cccggtgtac	ggcgagacca	agcacttctc	ctactcctca	ggcgacaagg	agcagctgcg
1081	ggcctccttc	ctactcagct	ctctgaggcc	cagcctgact	ggcgctcgga	ggctgctgga
1141	gaccatcttt	ctgggttcca	ggccctggat	gccagggact	cccccgaggt	tgccccgcct
1201	gccccagcgc	tactggcaaa	tgccggccct	gtttctggag	ctgcttggga	accacgcgca
1261	gagcccgcc	gggggtgctc	tcaagacgca	ctgcccgtcg	cgagctggcg	tcacccagc
1321	agccggtgtc	tggtgcccgg	agaagcccca	gggctctgtg	gcggccccc	aggaggagga
1381	cacagacccc	cgctgcccgg	tgccagctgt	ccgcagcac	agcagccccc	ggcaggtgta
1441	cggtctcgct	cgggcctgcc	tgccgcccgt	ggcgccccca	ggcctctggg	gctccagcca
1501	caacgaacgc	cgcttccctc	ggaacaccaa	gaagtccatc	tccttgggga	agcatgccaa
1561	gctctcgctg	caggagctga	cggtgaagat	gagcgctcgg	gactgcgctt	ggctgcccag
1621	gtgcccaggg	gttggctgtg	ttccggccgc	agagcaccgt	ctgctgagg	agatcctggc
1681	caagtccctg	cgcttccctc	tgagtggtga	cgctgctcag	ctgctcaggt	ctttctttta
1741	tgctacggag	accacgtttc	aaaagaacag	gctctttttc	taccggaaga	gtgtctggag
1801	caagtgtcaa	agcattggaa	ctagacagca	cttgaagagg	gtgcagctgc	ggagctgtc
1861	ggaagcagag	gtcagggcag	atcggaagc	caggcccgcc	ctgctgacgt	ccagactccg
1921	cttcatcccc	agccctgacg	ggctgcccgc	gattgtgaac	atggactacg	tcgtgggagc
1981	cagaacgttc	cgagagaaa	agaggcccga	cgctctcacc	tcgagggtag	aggcactgtt
2041	cagcgctgct	aactacgagc	ggcgccggcg	ccccggcctc	ctgggcccgt	ctgtgctggg
2101	cctggacgat	atccacaggg	cctggcgccac	cttctgtgct	cggtgtcggg	cccaggaccc
2161	ggcgccctg	ctgtactttg	tcaagggtga	tgtagcgggc	cggtacgaca	ccatccccca
2221	ggcacaggct	acggaggtca	tcggcagcat	catcaaacc	cagaacacgt	actgctgctg
2281	tcggtatgct	gtgggtccaga	aggccgcccc	tgggcacgct	cgcaaggcct	tcaagagcca
2341	cgctctctac	ttgacagacc	tcagccgcta	catgacgacg	ttctggtgct	actgacgga
2401	ggcagccccc	ctgagggatg	cgctcgctat	cgagcagagc	tcctccctga	atcgcccgag
2461	cagtgccctc	ttcgacgtct	tcctacgctt	catgtgccac	cacgccgtgc	gcacagggg
2521	caagtccctc	gtccagtgcc	aggggatccc	gcagggtccc	atcctctcca	cgctgctctg
2581	cagctgtgct	tacggcgaca	gctgagaaca	gctgtttgct	gggattcgcc	gggacgggct
2641	gctcctgctg	ttgggtggatg	atttcttgtt	ggtgacacct	cacctcacc	acgcgaaaac
2701	cttctctcag	accctggtcc	gaggtgtccc	tgagtatggc	tgctggtgta	acttgccgaa
2761	gacagtgggt	aacttccctg	tagaagacga	ggccctgggt	ggcacgggct	ttgttcagat
2821	ggcgccccac	ggcctattcc	cctgggtgctg	cctgtgctg	gatacccgga	ccctggaggt
2881	gcagagcgac	tactccagct	atggccggac	ctccatcaga	gccagtctca	ccttcaaccg
2941	cggttccaag	gctgggagga	acatgcgtcg	caaactcttt	ggggctcttg	ggctgaagtg
3001	tcacagcctg	tttctggatt	tgaggtgaa	cagcctccag	acgggtgtgca	ccaacatcta
3061	caagatcctc	ctgctgcagg	cgtagaggtt	tcacgcatgt	gtgctgcagc	tcccatttca
3121	tcagcaagtt	tggaagaacc	ccacattttt	cctgcgcgtc	atctctgaca	cgccctccct
3181	ctgctactcc	atcctgaaag	ccaagaacgc	agggatgtcg	ctgggggcca	agggcgccgc
3241	cgccctctg	ccctccgagg	ccgtgcagtg	gctgtgccac	caagcattcc	tgctcaagct
3301	gactcgacac	cggtgtcact	acgtgccact	cctgggggtca	ctcaggacag	ccagacgcca
3361	gctgagtcgg	aagctcccg	ggacgacgct	gactgccctg	gaggcccgag	ccaacccggc
3421	actgcccctc	gacttcaaga	ccatccctgga	ctgatggcca	cccggccaca	gccaggccga
3481	cagacccagg	cagcagccct	gtcacgccc	gctctacgtc	ccaggagggg	agggcgccgc
3541	gagtgccggc	cccgacccgc	tgggagtctg	agggcctgag	gagtggttgg	ccgagggcctg
3601	catgtccggc	tgaaggctga	gtgtccggct	gaggccctgag	cgagtgtcca	gccaagggct
3661	gagtgccag	cacacctgcc	gtcttcaact	ccccacaggg	tgccgctcgg	ctccacccca
3721	gggtccagct	ttccctcacc	ggagcccggc	ttccactccc	cacataggaa	tagtccatcc
3781	ccagattcgc	cattgttcac	ccctcgccct	gcccctcttt	gccttccacc	cccaccatcc
3841	aggtggagac	cctgagaagg	accctgggag	ctctgggaat	ttggagtgc	caaaggtgtg
3901	cctgtacac	agggcaggg	cctgcacctg	gatgggggtc	cctgtgggtc	aaattggggg
3961	gaggtgctgt	gggagtaaaa	tactgaatat	atgagttttt	cagttttgaa	aaaaa

FIG. 2